

20001121.qrp v02_n013.qrl.20001121

Date: Tue, 21 Nov 2000 19:03:07 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2013

QRP-L Digest 2013

Topics covered in this issue include:

- 1) [84440] Re: CQ WWDX Contest
by baltimoremd@baltimoremd.com
- 2) [84441] Fox: History?
by "Marshall Emm" <mgemm@mtechnologies.com>
- 3) [84442] Re: CQ WWDX Contest
by "Victor Blackwell" <victor@brecnet.com>
- 4) [84443] Re: CQ WWDX Contest
by "George, W5YR" <w5yr@att.net>
- 5) [84444] Re: CQ WWDX Contest
by "John Moriarity" <k6qq@hdo.net>
- 6) [84445] Design Question
by KF4YYD@aol.com
- 7) [84446] T0 Keyer
by "Tom Whalen" <wb5qyt@abq.com>
- 8) [84447] Keyer wanted?
by "Tom Whalen" <wb5qyt@abq.com>
- 9) [84448] Re: VERY Narrow CW filters
by "laura halliday" <marsgal42@hotmail.com>
- 10) [84449] Fw: ARRL SS CW W6RCL SO QRP
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 11) [84450] Matching Crystals For Filters
by Ed Kessler <edkess@epix.net>
- 12) [84451] Re: T0 Keyer
by "Victor Blackwell" <victor@brecnet.com>
- 13) [84452] RE: K0FRP SS Phone results
by Nick Kennedy <nkennedy@tcainet.net>
- 14) [84453] Measurement of qrp ssb pep
by "William H. Launer" <wlauner@mail.win.org>
- 15) [84454] TS7N
by "Thom Durfee" <wi8w@arrl.net>
- 16) [84455] CONTEST-QRP Calendar Nov 20/26
by Ken Newman <N2CQ@citnet.com>
- 17) [84456] SLV Question
by baltimoremd@baltimoremd.com
- 18) [84457] Elusive Cub Fox
by "Karl F. Larsen" <k5di@zianet.com>
- 19) [84458] Re: Measurement of qrp ssb pep

- by "Karl F. Larsen" <k5di@zianet.com>
- 20) [84459] CONTESTS- Ah, but pat yourself on the back for your SS effort!!! (Re: CONTESTS- NOV SS CONTESTS- Ah, but pat yourself by Kevin L Anderson <k9iua@juno.com>
- 21) [84460] Fox: Cub
by "TC Dufresne" <tdufres@radiks.net>
- 22) [84461] Re: Elusive Cub Fox
by "Michael Melland" <badger@vbe.com>
- 23) [84462] Re: Fox: Cub
by "Karl F. Larsen" <k5di@zianet.com>
- 24) [84463] Re: CQ WWDX Contest
by w0av@juno.com
- 25) [84464] Re: CQ WWDX Contest
by "Karl F. Larsen" <k5di@zianet.com>
- 26) [84465] Cub Fox not there
by "Karl F. Larsen" <k5di@zianet.com>
- 27) [84466] Apologies: W0MC Cub Fox Failure...
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
- 28) [84467] Re: Cub Fox not there
by "Michael Melland" <badger@vbe.com>
- 29) [84468] Re: Apologies: W0MC Cub Fox Failure...
by "Trevor Jacobs" <fxtech@earthlink.net>
- 30) [84469] Re: Apologies: W0MC Cub Fox Failure...
by "Glenn Maclean" <glennmaclean@ix.netcom.com>
- 31) [84470] Re: Be ready for DX this weekend
by "Steven Weber" <kd1jv@moose.ncia.net>
- 32) [84471] Re: VE3DNL Marker/Generator (long)
by Jim Henry <jhenry@west.net>
- 33) [84472] Re: Apologies: W0MC Cub Fox Failure...
by "George, W5YR" <w5yr@att.net>
- 34) [84473] Re: CQ WWDX Contest
by "George, W5YR" <w5yr@att.net>
- 35) [84474] Re: K0FRP SS Phone results
by "George, W5YR" <w5yr@att.net>
- 36) [84475] Club: IAQRP Meeting Recap
by "John Burnley" <burnleyia@home.com>
- 37) [84476] Re: 3830 Link and Reflector for contest scores
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 38) [84477] Re: Operating: SS Class Act
by muglesto@megsinet.net
- 39) [84478] Fw: Fw: IC-735 for sale
by David M Kopacki <kf2ew@juno.com>
- 40) [84479] KNWD TS-50 and QRP
by "Brian L. Lewis" <bl@csi.com>
- 41) [84480] Re: VE3DNL Marker/Generator
by "E. Roswell" <eroswell@monmouth.com>
- 42) [84481] Re: Be ready for DX this weekend
by "Karl F. Larsen" <k5di@zianet.com>

- 43) [84482] Yaesu 1000MP question
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 44) [84483] Re: Apologies: W0MC Cub Fox Failure...
by "Karl F. Larsen" <k5di@zianet.com>
- 45) [84484] Re: VE3DNL Marker/Generator
by "Karl F. Larsen" <k5di@zianet.com>
- 46) [84485] QRP 3 LANDERS VEGAS VISIT
by W1R0@aol.com
- 47) [84486] Re: KNWD TS-50 and QRP
by Phil Wheeler <w7ox@earthlink.net>
- 48) [84487] Re: VERY Narrow CW filters
by "Victor Blackwell" <victor@brecnet.com>
- 49) [84488] more parts available
by Smith Harold <SmithH@tce.com>
- 50) [84489] FOX CUB: Bummer, but I am smiling!
by "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
- 51) [84490] Re: VERY Narrow CW filters
by Phil Wheeler <w7ox@earthlink.net>
- 52) [84491] Yaesu Reflector?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 53) [84492] WTB: OHR WM-2 Wattmeter / QRP Tuner
by "Dean M. Rachwitz" <dean@totaltourtech.com>
- 54) [84493] Re: Tube Receivers
by "Brad Hernlem" <alihernlem@hotmail.com>
- 55) [84494] PSK-31
by Dave Marling <dbm@klis.com>
- 56) [84495] Re: VERY Narrow CW filters
by "laura halliday" <marsgal42@hotmail.com>
- 57) [84496] Contest: QRPDUPE New Version
by Brian Kassel <bkassel@dancris.com>
- 58) [84497] Using QRP-Dupe to key
by "Karl F. Larsen" <k5di@zianet.com>
- 59) [84498] Tube Receivers
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
- 60) [84499] HP2800
by Jack Bennett <J.Bennett@lboro.ac.uk>
- 61) [84500] Re: Help needed with LDG QRP Tuner
by "Rod Cerkoney" <n0rc@hotmail.com>
- 62) [84501] Re: Using QRP-Dupe to key
by "Dave Markheim" <MarkheimD@metrocall.com>
- 63) [84502] Apology: W0MC Cub Fox Idiot
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
- 64) [84503] Re: Design Question
by NB6M@aol.com
- 65) [84504] CQ Zones
by "Steven Weber" <kd1jv@moose.ncia.net>
- 66) [84505] Re: Using QRP-Dupe to key
by "Karl F. Larsen" <k5di@zianet.com>

- ```
67) [84506] Re: CQ Zones
 by "George, W5YR" <w5yr@att.net>
68) [84507] DXchecker
 by Bcieslak@ra.rockwell.com
69) [84508] Re: SLV Question
 by K2UD@aol.com
70) [84509] Using QRP-Dupe to key
 by Bcieslak@ra.rockwell.com
71) [84510] cw program
 by hamjoel@juno.com
72) [84511] Re: Matching Crystals For Filters
 by "Mike Branca" <w3irz@att.net>
73) [84512] This Bull gave up early
 by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
74) [84513] Ham Radio Study guides for Kids
 by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
```

Date: Mon, 20 Nov 2000 19:23:47 -0500 (EST)  
From: baltimoreemd@baltimoreemd.com  
To: "Karl F. Larsen" <k5di@zianet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84440] Re: CQ WWDX Contest  
Message-ID: <Pine.BSI.4.05L.10011201922420.19161-100000@vh1.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 20 Nov 2000, Karl F. Larsen wrote:

```
> computer! In 1952 there were no electronic keyer or computers, so we
> used bugs and 3KW output.
```

Man, that's really high power

thom

[illegible]

|                                                                         |                                                       |
|-------------------------------------------------------------------------|-------------------------------------------------------|
| <a href="http://www.baltimoremd.com/">http://www.baltimoremd.com/</a>   | Baltimore's Home Page                                 |
| <a href="http://www.baltimorehon.com/">http://www.baltimorehon.com/</a> | Home of the Baltimore Lexicon                         |
| <a href="http://www.zerobeat.net">http://www.zerobeat.net</a>           | Home of The QRP Web Ring<br>and Drake Mail List Pages |

Date: Mon, 20 Nov 2000 17:40:54 -0700

From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@lehigh.edu  
Subject: [84441] Fox: History?  
Message-ID: <3A196226.14843.FB13A8@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Does anybody have the foxhunt results from the first year through last year?  
If so please reply direct and tell me what you have!

Thanks...

Marshall Emm, N1FN  
Milestone Technologies, Inc.  
(303) 752-3382  
<http://www.mtechnologies.com>

Date: Mon, 20 Nov 2000 19:53:56 -0500  
From: "Victor Blackwell" <victor@brecnet.com>  
To: <baltimoremd@baltimoremd.com>, "Low Power Amateur Radio Discussion" <qrpl@lehigh.edu>  
Subject: [84442] Re: CQ WWDX Contest  
Message-ID: <006f01c05355\$87ad9700\$3f5730d1@victor>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

What year did Jim, W9TO invent the electronic keyer?

Vic AD8K

```
>On Mon, 20 Nov 2000, Karl F. Larsen wrote:
>
>> computer! In 1952 there were no electronic keyer or computers, so we
>> used bugs and 3KW output.
>
>Man, that's really high power
>
>thom
>./.././.././.././.././.././.././.././.././.././.././.././.././.././..
/
>baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster
```

>  
><http://www.baltimoremd.com/> Baltimore's Home Page  
><http://www.baltimorehon.com/> Home of the Baltimore Lexicon  
><http://www.zerobeat.net> Home of The QRP Web Ring  
> and Drake Mail List Pages  
>

-----  
Date: Mon, 20 Nov 2000 18:54:48 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: k5di@zianet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [84443] Re: CQ WWDX Contest  
Message-ID: <3A19C7D8.19BD5298@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"Karl F. Larsen" wrote:

In 1952 there were no electronic keyer or computers, so we  
> used bugs and 3KW output.

Since DC power input to the final was still being used in 1952 if I recall correctly, and a maximum of 1000 watts was legal, I guess the rest of that 3 KW \*output\* can from the "high efficiency antenna tuner" in the attic! <:}

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

-----  
Date: Mon, 20 Nov 2000 16:59:29 -0800  
From: "John Moriarity" <k6qq@hdo.net>  
To: <victor@brechnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [84444] Re: CQ WWDX Contest  
Message-ID: <004701c05356\$4dbe8bc0\$83414cd1@johnmori>

From: "Victor Blackwell" <victor@brechnet.com>

> What year did Jim, W9TO invent the electronic keyer?

I'm afraid that it was invented long before that. The T0 keyer was just a very popular keyer of the time.

I built a vacuum tube and relay keyer in about 1951, and they weren't new then. I'll bet that there was a relay based keyer in the mid-thirties.

72,

John, K6QQ

-----  
Date: Mon, 20 Nov 2000 20:05:50 EST  
From: KF4YYD@aol.com  
To: <QRP-L@lehigh.edu>  
Subject: [84445] Design Question  
Message-ID: <5b.e400d07.274b246e@aol.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

All,

I am beginning 'Solid State Design for the radio amateur by Hayward and DeMaw, but have stumbled already in chapter one. In the review of transistor biasing they show a ckt "...which is more typical of the techniques used for biasing transistors...". In my book, copyright 1986 this is shown as figure 9 page 11. I can follow this discussion through fig. 9c which shows a voltage divider equivalent resistance of 3333 ohms in series with a base voltage of 4 volts.

However it is with fig. 9d when they replace the transistor with the simplified model that I seem to be going astray. I can calculate the shown values of emitter and collector voltage and the shown value of emitter current. However when they assume a beta of 100, how do they come up with a voltage drop of 0.02 volts when a base current of 17uA ( $I_b = I_e/\beta$ ) flows through the equivalent resistance of the voltage divider R1-R2 ? Every time I run the numbers I come up with 0.05 volts. What am I doing wrong???

The following values are given:

R1 = 10K, R2 = 5K,  $R_e$  &  $R_c$  = 2K,  $V_{cc}$  = 12,  $V_e$  = 3.4,

$V_c$  = 8.6 & the current flowing in the R1-R2 voltage divider is 0.8mA with an assumed Beta of 100.

Tom kf4yyd

-----  
Date: Mon, 20 Nov 2000 18:08:55 -0700  
From: "Tom Whalen" <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [84446] T0 Keyer  
Message-ID: <MABBIKAEJKMHLIDDGMCKGEEPCAAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang, I had one of those back in the early 70's! It was really a pretty good keyer, and doubled as a foot warmer! Now I have a K-3 keyer and really like it, but to be honest I still prefer the ol' Vibroplex.

72, Tom WB5QYT....."Have spud will travel!"

-----  
Date: Mon, 20 Nov 2000 18:08:57 -0700  
From: "Tom Whalen" <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [84447] Keyer wanted?  
Message-ID: <MABBIKAEJKMHLIDDGMCKIEEPCAAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

Who was inquiring about needing an electronic keyer? I have a spare I may trade or sell. I know it is not iambic.

72, Tom WB5QYT..."Have spud will travel!"

-----  
Date: Tue, 21 Nov 2000 01:41:49  
From: "laura halliday" <marsgal42@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [84448] Re: VERY Narrow CW filters  
Message-ID: <F194vzyJxArGvnCjnZS00000347@hotmail.com>  
Mime-Version: 1.0



Content-Type: text/plain; format=flowed

Such high performance applications are an area where DSP can shine. A precisely Gaussian/Bessel/whatever response is yours if you want it. Linear phase is a non-issue. Component tolerances and drift are non-issues.

Laura Halliday VE7LDH      "Que les nuages soient notre  
Grid: CN89mg                  pied a terre..."  
                                         - Hospital/Shafte

Get more from the Web. FREE MSN Explorer download : <http://explorer.msn.com>

Date: Mon, 20 Nov 2000 17:40:01 -0800  
From: "Alan Kaul" <alan.kaul@worldnet.att.net>  
To: <qrp-1@lehigh.edu>  
Subject: [84449] Fw: ARRL SS CW W6RCL SO QRP  
Message-ID: <000801c0535b\$f81c2fa0\$1f07480c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang ---- I have posted my ARRL SS Phone score on the 3830 reflector (((see posting url below -- at [www.horucopia.com/3830score/](http://www.horucopia.com/3830score/)

I am coping it to this list because 1) I want to encourage all to post to the 3830 list ((it ends up actually being something like an 'early returns' record of who is entering and how they did)),

and 2)) because I made some comments on the CONTESTORS' FORUM about high power and wanted to offer those thoughts here.

Alan Kaul, W6RCL, LaCanada, CA  
w6rcl@amsat.org , <http://home.att.net/~alan.kaul/index.html>

-----Original Message-----

From: w6rcl@amsat.org <w6rcl@amsat.org>  
To: w6rcl@amsat.org <w6rcl@amsat.org>  
Date: Monday, November 20, 2000 17:38 PM  
Subject: ARRL SS CW W6RCL SO QRP

```
> ARRL Sweepstakes - CW
>
```

```

>Call: W6RCL
>Operator(s): W6RCL
>Station: W6RCL
>
>Class: SO QRP
>Section: LAX
>Operating Time (hrs): 10
>
>
>Summary:
> Band QSOs
>-----
> 160:
> 80: 6
> 40: 98
> 20: 45
> 15: 46
> 10: 20
>-----
>Total: 215 x 70 = 30,100
>
>Club:
>
>Comments:
>
>I had a great time -- even though I missed some of the easy ones---SC, WTX, MS,
>NM. I ALWAYS have trouble with the Eastern Canadian provinces and this time
>was no different. I heard very few other QRP stations on, and judging by the
>large number of S9+50db signals on the bands, this is one contest when we would
>all be better served if NO ONE USED the highest power!
>
>How about it ARRL?? You set the requirements --- how about changing the SS
>contest rules to limit power to 100-200W maximum??? Hundreds of operators work
>all sections using low power! Do we really need to allow a KW for what is
>basically a domestic contest? Especially when you ask every entrant to adhere
>to his/her license requirements AND the FCC REQUIRES MINIMUM POWER, i.e. only
>enough TO MAINTAIN CONTACT. QRO stations cannot possibly vouch adherence to
>that rule on each and every contact.
>
>
>Posted using 3830 Score Submittal Forms at:
http://www.hornucopia.com/3830score/
>

```

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Date: Mon, 20 Nov 2000 20:59:46 -0500

From: Ed Kessler <edkess@epix.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [84450] Matching Crystals For Filters  
Message-ID: <3A19D712.F35DDAE1@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm working on the ultimate light-weight, high performance, Spartan Sprint Homebrew Rig, and am now building a 4 MHz Crystal filter.

I have 15 crystals which oscillate at the following values:

3.99945 (1)  
3.99934 (2)  
3.99932 (3)  
3.99931 (2)  
3.99927 (3)  
3.99926 (3)  
3.99923 (1)

For optimum performance how close should the crystals be matched? For the filter? With the Rx Mixer? With the Tx Mixer?

Any "elmering" would be appreciated.

Tnx  
Ed AA3SJ

-----  
Date: Mon, 20 Nov 2000 21:20:42 -0500  
From: "Victor Blackwell" <victor@brecnet.com>  
To: <wb5qyt@abq.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [84451] Re: T0 Keyer  
Message-ID: <002501c05361\$a67fcb60\$5e5730d1@victor>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>it, but to be honest I still prefer the ol' Vibroplex.

I think they were invented by the Devil in 1906 with the sole purpose of making the forty meter band sound like a mess. Check out 7038 early

mornings and late at night. (hi)

You can have your slow speeds and hundred year old technology. Too limiting.

Vic AD8K

-----  
Date: Mon, 20 Nov 2000 20:16:05 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'jstai@home.com'" <jstai@home.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [84452] RE: K0FRP SS Phone results  
Message-ID: <01C0532E.B7017160.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

> On 11/20/00 8:24 AM, Karl F. Larsen at k5di@zianet.com wrote:  
>  
> >The data comes just too fast to punch it  
> >into a computer, and then get back to the radio.

Yeah, there's a lot of info to copy in SS. Some may recall that on this list we had an endless discussion some time ago about a contest where the exchange was "599-section", many folks found that not challenging enough and objected to the automatic 599. SS is a good answer for those folks. (Field Day ain't bad either--three bits of information and no RST.)

As far as typing the data into the computer and then getting back to the radio--an ideal setup is where the computer IS the radio (essentially). For example with TR log, I send from the keyboard, log the other guy from the keyboard, and tune the rig from the keyboard. One of my mental notes for next year is to put the monitor and keyboard right in the center of my operating desk. That way I won't be sitting (and looking) sideways for up to 24 hours.

For casual operating, I like slapping the paddle, adjusting plate loading and tuning and peaking up the receiver. But for contests, efficiency of motion is very important.

72--Nick, WA5BDU

-----  
Date: Mon, 20 Nov 2000 20:18:24 -0600  
From: "William H. Launer" <wlauner@mail.win.org>  
To: qrp-1@Lehigh.EDU  
Subject: [84453] Measurement of qrp ssb pep  
Message-ID: <103130300b63f8a8999a0@[204.184.55.69]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

In addition to an assortment of qrp rigs, I use a Yaesu FT-301 and a Kenwood TS-820s for qrp operation. For CW operation, it's easy to turn down the power on the Yaesu by simply adjusting the drive control, and on the Kenwood by adjusting the carrier level control.

My question concerns the use of the qro rigs for qrp SSB operation. I've followed the discussions on controlling the power output of qro rigs by applying a bias voltage to the alc circuitry. What is a simple method to measure the pep and thereby set the alc bias level for qrp? The Kenwood service manual says to apply a 5mV (at 1.5 kHz) signal to the microphone input connector for some xmtr adjustments. If I do this and adjust the external alc bias for the desired output on the wattmeter, is this an acceptable method to use? Of course, the audio voltage required at the mic input would vary with the particular brand/model of rig to be adjusted.

While I certainly enjoy CW qrp operation, I'm sure that many of us would like to try qrp SSB, and have older qro rigs that could easily be used for qrp phone operations. It's a case of "try it first, then if you like it, pop for the K2"!

Thanks, 72/73,

Bill wb0cld

Bill Launer wb0cld  
St. Charles, MO

-----  
Date: Tue, 21 Nov 2000 02:31:13 -0000  
From: "Thom Durfee" <wi8w@arrl.net>  
To: <qrp-l@lehigh.edu>  
Subject: [84454] TS7N  
Message-ID: <000b01c05363\$1df46ec0\$b50e1f40@bignet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Just bagged TS7N on 7012.68 by calling up 1 khz at 0229UTC with a 559 rpt running 5 watts to a rather poor 1/2 wave end fed about 10 feet off the ground.

Thom Durfee WI8W  
wi8w@arrl.net  
<http://www.braarc.net>  
QRPARCI #4015  
QRP-L #1761  
SOC #249  
ARS #760  
FP #165

-----  
Date: Mon, 20 Nov 2000 21:23:40 -0500  
From: Ken Newman <N2CQ@citnet.com>  
To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [84455] CONTEST-QRP Calendar Nov 20/26  
Message-ID: <3.0.6.32.20001120212340.00827b30@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

Nov 20/26, 2000

~~~~~  
QRP-L Foxhunt Season!

Foxhunt: Every Tuesday And Thursday  
Details: <http://www.cqc.org/fox>

Cub Foxhunt: Every Monday and Wednesday  
Details: <http://www.qsl.net/k5DI/fox/>

Fox appears: 9pm EST, 8PM CST, 7PM MST and 6PM PST.

~~~~~  
FPQRP-L Truffle Hunt Season!

Flying Pigs Truffle Hunt: 30 minutes before the Foxhunt.  
Details: [http://www.fpqrp.com/pig\\_hunt.htm](http://www.fpqrp.com/pig_hunt.htm)

~~~~~  
CQ World Wide DX Contest (CW) ... QRP Category!

Nov 25 - 0000z to Nov 26 - 2400z

Rules: <http://cqww.com/2000rules.htm>

~~~~~  
72 de \*\*\*\* QRP Contest Calendar \*\*\*\*  
Ken Newman - N2CQ <http://www.njqrp.org/data/contesting.html>  
N2CQ@ARRL.NET <http://www.n3epa.org/Pages/Contest/contest.htm>  
<http://www.qsl.net/cqrp/contests.html>

72 de == QRP CONTEST CALENDAR ==  
Ken Newman - N2CQ <http://www.njqrp.org/data/contesting.html>  
Woodbury, NJ  
N2CQ@ARRL.NET

-----  
Date: Mon, 20 Nov 2000 21:49:10 -0500 (EST)  
From: baltimoremd@baltimoremd.com  
To: "qrp-L@Lehigh.EDU" <qrp-L@Lehigh.EDU>  
Subject: [84456] SLV Question  
Message-ID: <Pine.BSI.4.05L.10011202146260.22932-100000@vh1.min.net>  
MIME-Version: 1.0

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -



-----  
Date: Mon, 20 Nov 2000 19:44:49 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "William H. Launer" <wlauner@mail.win.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84458] Re: Measurement of qrp ssb pep  
Message-ID: <Pine.LNX.4.10.10011201939090.1739-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

What I do with my Kenwood TS-140 is set it up for a 100 watts average power with speech compression and all. I then monitor the output power, not alC, and drop the mike gain to where average voice generates an average power of 5 watts. The meter is slow enough that my voice peaks might make 10 or even 15 watts for milliseconds. But it's best to have your radio tuned up properly and not not set a max power of 5 watts. This makes a very distorted audio which is hard to copy.

On Mon, 20 Nov 2000, William H. Launer wrote:

> In addition to an assortment of qrp rigs, I use a Yaesu FT-301 and a  
> Kenwood TS-820s  
> for qrp operation. For CW operation, it's easy to turn down the power on  
> the Yaesu  
> by simply adjusting the drive control, and on the Kenwood by adjusting the  
> carrier  
> level control.  
>  
> My question concerns the use of the qro rigs for qrp SSB operation. I've  
> followed  
> the discussions on controlling the power output of qro rigs by applying a bias  
> voltage to the alC circuitry. What is a simple method to measure the pep and  
> thereby set the alC bias level for qrp? The Kenwood service manual says to  
> apply  
> a 5mV (at 1.5 kHz) signal to the microphone input connector for some xmtr  
> adjustments.  
> If I do this and adjust the external alC bias for the desired output on the  
> wattmeter, is this an acceptable method to use? Of course, the audio voltage  
> required at the mic input would vary with the particular brand/model of rig  
> to be  
> adjusted.  
>  
> While I certainly enjoy CW qrp operation, I'm sure that many of us would  
> like to

> try qrp SSB, and have older qro rigs that could easily be used for qrp phone  
> operations. It's a case of "try it first, then if you like it, pop for the  
> K2"!  
>  
> Thanks, 72/73,  
>  
> Bill wb0cld  
>  
> Bill Launer wb0cld  
> St. Charles, MO  
>  
>  
>  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Mon, 20 Nov 2000 21:45:26 EST  
From: Kevin L Anderson <k9iua@juno.com>  
To: "Alan Kaul" <alan.kaul@worldnet.att.net>  
Cc: qrp-l@lehigh.edu  
Subject: [84459] CONTESTS- Ah, but pat yourself on the back for your SS  
effort!!! (Re: CONTESTS- NOV SS CONTESTS- Ah, but pat yourself  
Message-ID: <20001120.204107.5367.2.K9IUA@juno.com>

Alan,

You wrote on QRP-L --

> Congrats to AL, K0FRP -- an outstanding effort on QRP SSB!  
> And a "well done" to KEVIN, K9IUA, too.

> I stand in awe!! I had a fun contest but didn't score as well as  
either of  
> them!

> I called CQ for about 1/4 of my QSO's on Saturday and then almost  
exclusively  
> worked S and P on Sunday. In about 9 and 1/2 hours, I had 215 Q's,  
with 70  
>Sections, and a raw score of 30,100.

Thank you for the compliment, but, au contraire, you are the one who deserves the praise. Why? Just look at your operating time -- 9-1/2 hours!

In **\*\*shorter time\*\*** you got almost as many Qs as I did and you did far better on multipliers.

Yep, there are many ways to measure success in contests:

1. total points
2. number of Qs
3. multipliers
4. rate.
5. other personal challenge (you fill in the blank)

In this case you take it from me on RATE, although I may have had a higher score.

So KUDOS to you, Alan!

Cheers/73.

Kevin, K9IUA, from winter in North Dakota

\*\*\*\*\*

Kevin Anderson, K9IUA, Lincoln/Bismarck ND

e-mail: K9IUA@juno.com      Opinions all my own.

\*\*\*\*\*

---

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Date: Mon, 20 Nov 2000 20:52:40 -0600

From: "TC Dufresne" <tdufres@radiks.net>

To: <qrp-1@Lehigh.EDU>

Subject: [84460] Fox: Cub

Message-ID: <00af01c05366\$1dc20cc0\$1af31dce@server>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Where is he?

Tom

-----  
Date: Mon, 20 Nov 2000 20:57:55 -0600  
From: "Michael Melland" <badger@vbe.com>  
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [84461] Re: Elusive Cub Fox  
Message-ID: <002001c05366\$d96ad240\$a9824d40@0019896170>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Looks like you won't be alone. Not heard a dit from him in Wisconsin either so far..... but have heard N8VAR and others in 9 and 8 land wondering where he is too.

Odd night..... also haven't heard one 4,5 or 6 call on the band either which is really different, only a few 8 and 9's.

Mike, W9WIS

-----  
Date: Mon, 20 Nov 2000 20:11:40 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: TC Dufresne <tdufres@radiks.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [84462] Re: Fox: Cub  
Message-ID: <Pine.LNX.4.10.10011202009490.1796-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tom he is portable near Stanford Junior Farm not real far from San Francisco. So he should be heard from by someone, but no-one says they have worked him yet.

On Mon, 20 Nov 2000, TC Dufresne wrote:

> Where is he?  
> Tom  
>  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Mon, 20 Nov 2000 21:08:34 -0600  
From: w0av@juno.com  
To: baltimoremd@baltimoremd.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [84463] Re: CQ WWDX Contest  
Message-ID: <20001120.210837.-514373.0.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Guys,

I hate to differ, but electronic keyers were used (by me) in 1942 , and perhaps by others even earlier.

I sometimes used a home-brewed electronic keyer using a 6N7 tube (no relay) at the MO Highway Patrol Station KHPC (Troop C, Kirkwood, where I was an operator). Also, KC MO police radio used an electronic keyer in 1942. Mine was built from an article in "Radio" magazine, as I recall, and the key lever was "hot" with about 200VDC, which would give me a jolt if I touched it and station ground.

I built the keyer after Dec. 1941 when hams were put off the air because of the onset of WW2, so it was not used on my ham rig.

I certainly do remember those "California KW's" back pre-war. There were rumors that a Cal KW was 3KW or more.

FWIW (Not much).

72/73/74 de George/W0AV  
SOC #101

-----  
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<http://dl.www.juno.com/get/tagj>.  
-----

Date: Mon, 20 Nov 2000 20:23:55 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "George, W5YR" <w5yr@att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84464] Re: CQ WWDX Contest  
Message-ID: <Pine.LNX.4.10.10011202019090.1823-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

George I was not privy to what power we ran. The rigs (4ea) were war surplus BC-610 transmitters driving a final with 4 rather large triodes that got very red if key down a lot. Since the building had 480 volt service from the business days, the lights didn't blink.

Your right in 1952 the max legal power was 1000 watts of plate input power. This is about 1/3 what is allowed now.

On Mon, 20 Nov 2000, George, W5YR wrote:

>  
>  
> "Karl F. Larsen" wrote:  
> In 1952 there were no electronic keyer or computers, so we  
> > used bugs and 3KW output.  
>  
> Since DC power input to the final was still being used in 1952 if I  
> recall correctly, and a maximum of 1000 watts was legal, I guess the  
> rest of that 3 KW \*output\* can from the "high efficiency antenna tuner"  
> in the attic! <:}  
>  
> 72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6  
  
> Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373  
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
> Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----

Date: Mon, 20 Nov 2000 20:27:29 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [84465] Cub Fox not there  
Message-ID: <Pine.LNX.4.10.10011202024040.1823-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have received e-mail from most places in the USA and no-one hears W0MC Jerry in CA. Even Glenn who lives in CA near Jerry hears nothing.

So I am assuming Jerry is not on the air for some good reason. Too bad but the Ram-Redskin game is looking good. So that's where I am with some popcorn...:-)

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Tue, 21 Nov 2000 03:33:19  
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [84466] Apologies: W0MC Cub Fox Failure...  
Message-ID: <F2943kMUVfNIJWNDIT600000418@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi Folks,

Well, looks like my mobile fox attempt is/was a dismal failure. After an hour and a half with only one very weak contact, I figure that my mobile setup is just not getting out, so I came in to send out this e-mail.

My station is top notch -- a K1 and an MP-1 mobile antenna -- and I even tested it a few nights ago from Colorado with fine success. However, perhaps because of either my position or because I did \*NOT\* bring an antenna analyzer, and instead relied upon my mark on the antenna and my seeing max power out, I just do not seem to be getting out. Maybe the rental car is not as good a ground plane as my car at home. Maybe I left the mojo at home. For whatever reason, my fox round here seems to have been in vain.

After 25 minutes (on 7045) with only a single, very weak contact, I did a

quick relocation to what I was hoping was a better position -- 10-15 minutes of nothing from there. I went back to my old position and tried a couple of antenna tweaks and continued calling CQ FOX. Again, nothing after 20 minutes or so. So, I surmise that I'm not getting a signal out.

Please accept my sincerest apology for ruining your evening (as I have mine)  
:-( Also, the morals of the story are (a) bring the antenna analyzer and  
(b) get plenty of time to test your setup before being the fox.

Jerry  
W0MC  
(red in the egg-covered face)

---

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---

Date: Mon, 20 Nov 2000 21:44:08 -0600  
From: "Michael Melland" <badger@vbe.com>  
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [84467] Re: Cub Fox not there  
Message-ID: <004601c0536d\$4e00f480\$a9824d40@0019896170>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Glad I'm not the only one not hearing Jerry..... hope all is well with him.  
He sounded pretty excited to try out his K1 portable station.

I sure have heard a who's who of the cub fox / regular fox hunt regulars in  
qso now between 7.140 and 7.150 ! Now hearing some 4, 5 and a few 6 and 7  
calls. Nice to hear this part of 40 meters hopping !

72/73 Mike, W9WIS

---

Date: Mon, 20 Nov 2000 19:53:24 -0800  
From: "Trevor Jacobs" <fxtech@earthlink.net>  
To: <w0mc@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>



Subject: [84468] Re: Apologies: W0MC Cub Fox Failure...

Message-ID: <008101c0536e\$997714c0\$3fa2b2d1@tjacobs>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> After 25 minutes (on 7045) with only a single, very weak contact, I did a  
> quick relocation to what I was hoping was a better position -- 10-15  
minutes

Isn't the CUB FOX supposed to be in the "Novice" band??? I thought that was  
the whole reason behind having a CUB FOX, ya know to let those opps that  
don't have privalegdes in the lower part of the band and are slower, to  
participate. I would say that this is why no one found the fox, they were  
looking in the Novice Band! Take care...

73

Trev

KG6CYN

-----  
Date: Mon, 20 Nov 2000 20:00:26 -0800

From: "Glenn Maclean" <glennmaclean@ix.netcom.com>

To: <w0mc@hotmail.com>

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [84469] Re: Apologies: W0MC Cub Fox Failure...

Message-ID: <002f01c0536f\$958d13e0\$0a01a8c0@oemcomputer>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Jerry,

Do not be too hard on yourself. We are all suppose to have fun in life. You  
gave it a sincere try. That is all anyone could ask for. I am sure you will  
have much better luck next time. I plan to use my new K1 on November 29th as  
the Cub Fox. I hope to give you a pelt then.

Glenn Maclean WA7SPY

----- Original Message -----

From: "Jerry McCollom W0MC" <w0mc@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, November 21, 2000 3:33 AM

Subject: Apologies: W0MC Cub Fox Failure...

> Hi Folks,  
>  
> Well, looks like my mobile fox attempt is/was a dismal failure. After an  
> hour and a half with only one very weak contact, I figure that my mobile  
> setup is just not getting out, so I came in to send out this e-mail.  
>  
> My station is top notch -- a K1 and an MP-1 mobile antenna -- and I even  
> tested it a few nights ago from Colorado with fine success. However,  
> perhaps because of either my position or because I did \*NOT\* bring an  
> antenna analyzer, and instead relied upon my mark on the antenna and my  
> seeing max power out, I just do not seem to be getting out. Maybe the  
> rental car is not as good a ground plane as my car at home. Maybe I left  
> the mojo at home. For whatever reason, my fox round here seems to have  
been  
> in vain.  
>  
> After 25 minutes (on 7045) with only a single, very weak contact, I did a  
> quick relocation to what I was hoping was a better position -- 10-15  
minutes  
> of nothing from there. I went back to my old position and tried a couple  
of  
> antenna tweaks and continued calling CQ FOX. Again, nothing after 20  
> minutes or so. So, I surmise that I'm not getting a signal out.  
>  
> Please accept my sincerest apology for ruining your evening (as I have  
mine)  
> :-( Also, the morals of the story are (a) bring the antenna analyzer and  
> (b) get plenty of time to test your setup before being the fox.  
>  
> Jerry  
> WOMC  
> (red in the egg-covered face)  
>  
>  
>  
>  
>  
>

---

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>

---

Date: Mon, 20 Nov 2000 23:38:05 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [84470] Re: Be ready for DX this weekend  
Message-ID: <200011210412.XAA09342@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> This coming weekend is the CQWW CW DX contest. A very  
> good time to hunt for DX. Be ready for them with QRP  
> and QRPP.  
>

Doesn't the CQWW contests use "zones" as part of the exchange? Never  
could figure out my zone. Think it might be 5, but not sure. Maybe  
someone in the know can post a list of the zones for those of us  
without a clue?

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 20 Nov 2000 20:34:23 -0800 (PST)  
From: Jim Henry <jhenry@west.net>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [84471] Re: VE3DNL Marker/Generator (long)  
Message-ID: <Pine.SOL.3.91.1001120201036.11009A-100000@acme.sb.west.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Phil!

> I'm curious if previous builders have found any appropriate  
> housing (e.g., at Radio Shack). Without one, it will seem  
> a bit unprotected.  
>

I used an Altoids tin fitted with a mini on/off toggle switch, and a  
small rubber grommet thru which I routed an 8" teflon wire. This makes a  
good antenna to insert the signal into a chassis vent hole, the center  
conductor of an antenna T-connector (Rx only), etc. A stopper knot on the  
inside of the grommet, a plug made by soldering the inside end into a  
nice gold machine pin allow connections into other machined socket pins  
soldered into the 5k, 10k, 20k, and 40k outputs. Thanks to Doug  
Hendricks KI6DS for this suggestion!

The circuit board was fastened down at one end near the grommet with

thick double-sided foam tape, and a short ground wire soldered to the tin case as a counterpoise for the antenna. I provided a foam cutout to hold a 9V battery, and added protection from reverse polarity with a diode. You may insulate the tip of the antenna wire with a dip into liquid tape. Close the lid, add some labels and: "Voila!"

I use WWV to zero-beat the VE3DNL Marker Generator:

- o Tune your receiver to WWV (2.5, 5, 10, 15, or 20MHz).
- o Switch to SSB (upper or lower it doesn't matter) and adjust the frequency until you hear the carrier in the audio pass band. Switch in an audio low pass filter if available.
- o Plug the VE3DNL antenna wire into the 10kHz output (use 20kHz if you can hear two harmonics of 10kHz as may be the case without a filter), and position the other end near the receiver until the VE3DNL tone sounds about the same volume as the WWV carrier. Equal signals will produce the strongest beat modulation.
- o Now adjust the trim capacitor until the VE3DNL tone approaches the same pitch as the WWV carrier. As you get closer you will hear a rapid fluttering that slows down as you approach zero-beat and then increases in rate again when you go past it. It's a bit finicky work with a non-metalic screwdriver, but you can get it down very close to a 1 or 2 Hz beat. You may want to close the lid to check if the setting drifts in a few seconds. An adjustment or two and it should remain relatively stable.

Now transfer this standard to your rig in three easy steps:

- 1) Set up for CW with your narrow filter on, and turn the dial to the region of the band you want to calibrate near one of the tick marks that corresponds to a multiple of the selected output (e.g. 10kHz). Some harmonics may be stronger than others especially in the higher frequency bands.
- 2) Allow the rig to warm up and stabilize (do this before you calibrate the VE3DNL).
- 3) Line up the tick mark with the pointer, press the "Cal" button (if you have a classic rig), and slide the scale until the tick mark and pointer are in the middle of the skirts of your narrow CW filter. Does +/- 100Hz or better seem possible for this quick adjustment? We can probably get to within 25% of the center of a 400Hz CW filter by ear using this method.

It should be a small adjustment less than 10kHz! Why? Because as you move along the dial you'll run into other multiples of the marker generator spaced at 10kHz intervals (or whatever output you've selected). That's

the utility of having DX beacons, and other marker frequencies to calibrate the dial of a homebrew VFO.

You may check the VE3DNL calibrator again against WWV to see if it has drifted significantly. It *will* change if left under a hot lamp or on a warm chassis. With some care, you won't have any problem for the time needed to transfer calibration.

I've used the beat method to transfer calibration from WWV to the internal crystal calibrator on my HW-101. Note that this rig and most QRP rigs don't have a band that corresponds to any of the WWV frequencies. (The FT-101 series was better in this respect.) My HW-101 internal crystal calibrator was considerably off the mark. The internal crystal calibrator injects near the antenna input. I used a short length of wire from the antenna jack and the VE3DNL wire placed nearby to inject both signals into another receiver. Adjust the HW-101 XTAL calibrator frequency to zero-beat a harmonic with the VE3DNL marker generator.

If after a good warm up and calibration with the VE3DNL, the internal calibrator has been reasonably close when I test it against the DX beacon frequencies.

In practice it's not necessary to be very fussy. What's a few tenths of a kilohertz between friends?

By the way, the VE3DNL Marker Generator makes a great demo at a HamFest. Many newer hams have heard of the term "zero-beat", but few have actually observed it in practice. How many can say with confidence that their station's frequency is traceable to NIST!

: -)

72 de Jim Henry AJ6IM (ex. KE6WGO)  
Goleta, CA  
mailto:aj6im@arrl.net  
<http://www.qrz.com/callsign.html?callsign=AJ6IM>

-----  
Date: Mon, 20 Nov 2000 22:35:49 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: w0mc@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [84472] Re: Apologies: W0MC Cub Fox Failure...  
Message-ID: <3A19FBA5.35175209@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jerry, I don't know about the other guys, but since you did not indicate what frequency range you would be using, I assumed that you would be up around 7143 where the other Cub hunts have taken place. I listened between 7120 to 7150 for about 15 minutes and heard no Fox activity whatsoever. So, I finally gave up.

Sorry things did not work out, but from an engineering point of view, I really doubt that a mobile QRP station stands much of a chance on 40 meters in the evening as a Fox. It is tough enough with a large, fixed-station antenna system and all the comforts of a home station.

Thanks for trying! <:}

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Jerry McCollom W0MC wrote:

>  
> Hi Folks,  
>  
> Well, looks like my mobile fox attempt is/was a dismal failure. After an  
> hour and a half with only one very weak contact, I figure that my mobile  
> setup is just not getting out, so I came in to send out this e-mail.

-----

Date: Mon, 20 Nov 2000 22:45:00 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: "Karl F. Larsen" <k5di@zianet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84473] Re: CQ WWDX Contest  
Message-ID: <3A19FDCC.868B0F59@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The BC-610 used a single 250TH in the final so it was good for about one KW plate input at the most. With a plate efficiency of at least 70%, that would amount to an output keydown of 700 watts. Must have been some final amplifier to take that much drive power! WOW!! <:}

Guess W6AM didn't hold the regulations in very high regard in those days.

Bet it was a real "trip" to be behind the key with a rig like that. I have a friend who once operated in the CQWW when he was in the army overseas. He managed to get the use of a \*50 KW\* output station which he put on 40 CW. Needless to say he had no trouble holding a frequency!

Thanks, Karl, for the info and good luck tomorrow night.

72/73, George    W5YR - the Yellow Rose of Texas            NETXQRP 6

Fairview, TX    30 mi NE Dallas in Collin county            QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

"Karl F. Larsen" wrote:

>  
> George I was not privy to what power we ran. The rigs (4ea) were war  
> surplus BC-610 transmitters driving a final with 4 rather large triodes  
> that got very red if key down a lot. Since the building had 480 volt  
> service from the business days, the lights didn't blink.  
>  
> Your right in 1952 the max legal power was 1000 watts of plate input  
> power. This is about 1/3 what is allowed now.

-----  
Date: Mon, 20 Nov 2000 22:49:20 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: nkennedy@tcainternet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84474] Re: K0FRP SS Phone results  
Message-ID: <3A19FED0.C300DE40@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It is interesting to recall that the first few SS contests were held over a two-week period in order to obtain enough contacts to make it workable.

72/73, George    W5YR - the Yellow Rose of Texas            NETXQRP 6

Fairview, TX    30 mi NE Dallas in Collin county            QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Nick Kennedy wrote:

>  
> > On 11/20/00 8:24 AM, Karl F. Larsen at k5di@zianet.com wrote:  
> >  
> > >The data comes just too fast to punch it  
> > >into a computer, and then get back to the radio.

-----  
Date: Tue, 21 Nov 2000 00:09:01 -0600  
From: "John Burnley" <burnleyia@home.com>  
To: <qrp-1@lehigh.edu>  
Subject: [84475] Club: IAQRP Meeting Recap  
Message-ID: <003601c05381\$8b6f7d00\$1b790818@c149552-a.west1.ia.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The Iowa QRP Club held a gathering/meeting yesterday (Sunday 11/19/2000) at the Urbandale Public Library in Urbandale, Iowa. Our special guest was none other than member #100 Wayne Burdick. Wayne was blessed last year with unseasonably cold weather for his Iowa visit and this year was no different. The only exception was the stiff 40 MPH winds that came with the cold temps (hi).

The following resilient QRP'ers braved the wx to spread the good word about low power operating. Wayne Burdick (N6KR), Jerry Hall (W0PWE), Walt Holling (N9MZP), Nancy Holling (N90VC), Jerry Huldeen (WB0T), Dennis Johnson (N0WA), Paul Sipes (KB0JIT), Larry Stambaugh (WB0RMT), Alex Stambaugh (KC0EBK), and John Burnley (NU0V).

Wayne brought a K1 and K2. The K1 had the prototype auto-tuner (KAT-1) which did some amazing matches (40 meter operation on a 20 meter hamstick). The K1 is a great compact dual band transceiver and I was very impressed with this rig. Of course it is of the same high quality as it's big brother the K2. Wayne gave the group a demo and dazzled us with some neat features of both rigs.

Walt Holling brought an OCR (optically coupled receiver), DSW-30, homebrew tuner, PSK31 interfaces, 2n2/40 transceiver, NW20, NJQRP Warbler, NoGa Wattmeter, NJQRP SOP receiver, and a Nor'easter (6 mtr am).

Larry Stambaugh brought an NC-20, computer aided operating



station (sounds like a newsletter article in the making here), circuit board paddles, and a DSW-40.

Jerry Hall brought his Manhattan style built CSS receiver with NN1G transmitter. Jerry also saved the day by letting us use his hamstick for an antenna.

John Burnley brought a borrowed IAQRP-10 prototype rig that Mike Fitzgibbon designed and built. This rig is the SST based transceiver that Mike describes in his article in the current issue of QRPp (journal of the NorCal QRP Club).

After the meeting the group met at Pagalia's for some QRPizzzza. It was a great afternoon/evening despite the poor wx conditions (hi). My thanks to all who made the trip over for the meeting and special thanks to Wayne for arranging to meet with us.

72, John NU0V

-----  
Date: Mon, 20 Nov 2000 23:11:24 -0800  
From: "Alan Kaul" <alan.kaul@worldnet.att.net>  
To: "Jeff Stai WK6I" <jstai@home.com>  
Cc: <qrp-l@lehigh.edu>  
Subject: [84476] Re: 3830 Link and Reflector for contest scores  
Message-ID: <002901c0538a\$436a3500\$29c4480c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Tnx Jeff.... the 3830 reflector is the old system of reporting contest claimed scores. After the contest, all the big guns from across the country would meet on 3.830MHz and swap lies about the contest. So after "contesting-dot-com" came along (<http://www.contesting.com/> they added a bunch of links to the various software seller sites, and mailing lists, etc., and someone thought they also ought to add the score rumors -- so they created a link and called it 3830. Then WA7BNM, Bruce, added a "template" which automatically forwards your claim into the 3830 website.

Check out [contesting-dot-com](http://www.contesting.com/) and click on the link. You'll find 'em all there after every contest. Actually it is a very complete record, long before the magazines publish. Of course, they are claimed scores and NOT VERIFIED SCORES so take them with the usual skepticism they're offered.

Also tnx for the support on the issue of power in the SS contest.

72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA

w6rcl@amsat.org , <http://home.att.net/~alan.kaul/index.html>

-----  
Date: Mon, 20 Nov 2000 21:59:41 -0700 (MST)  
From: moglesto@megsinet.net  
To: Brendan Minsh <EI6IZ@oceanfree.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84477] Re: Operating: SS Class Act  
Message-ID: <Pine.LNX.4.10.10011202159250.1335-1000000@mugleston.mugs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would have worked you - let's try next time.

de KI00T, Brad

On Mon, 20 Nov 2000, Brendan Minsh wrote:

> At 18:45 19/11/00 -0800, Lee Hopper wrote:  
>  
> > Heard a real class op on 15 M phone today on SS - he was calling cq and got  
> > answered by a newbie who hadn't worked anyone yet and didn't know the  
> > exchange.  
>  
> I heard someone doing this on 10 m also and when I called in I was told  
> (nicely) that as a 'DX' station I could not take part, A real bummer as I  
> could have worked at least 30 states on 10m had I been eligible to take part.  
>  
> What a horrid contest, all the bands crowded with stateside stations who  
> won't work any non stateside stations, All the QRM with none of the benefits!  
>  
>  
> --  
>  
> Brendan Minish EI6IZ  
> ei6iz@oceanfree.net  
> PGP key available from key servers [wwwkeys.pgp.net](http://www.keys.pgp.net)  
>

-----  
Date: Tue, 21 Nov 2000 06:30:55 -0500

From: David M Kopacki <kf2ew@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [84478] Fw: Fw: IC-735 for sale  
Message-ID: <20001121.063056.-98154221.0.kf2ew@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

----- Forwarded message -----

From: Mike Kopacki <mikekopacki@juno.com>  
To: kf2ew@juno.com  
Date: Tue, 21 Nov 2000 06:27:56 -0500  
Subject: Fw: IC-735 for sale  
Message-ID: <20001121.062757.-98216381.3.mikekopacki@juno.com>

----- Forwarded message -----

From: Mike Kopacki <mikekopacki@juno.com>  
To: qrp-1@lehigh.edu  
Date: Tue, 21 Nov 2000 06:05:28 -0500  
Subject: IC-735 for sales  
Message-ID: <20001121.060529.-98140181.0.mikekopacki@juno.com>

I have an IC-735 for sale.

This rig has not been used extensively, always in non-smoking environment and is in absolutely mint condition. It still has the protective plastic over the lower switch set. It has the Icom 250 Hz CW filter and electronic keyer installed. Includes HM-12 mike. I am the original owner and have never had a problem with it. There are no scratches, dents or other signs of wear. Original manual. Works great. Scale of 1-10, 11! Price includes shipping in lower 48.

I built the QRP mod for it and it works great. I will include that mod if you need it.

Thanks,  
Mike, KF2EW

---

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 21 Nov 2000 05:45:51 -0600  
From: "Brian L. Lewis" <bl@csi.com>  
To: qrp-l@lehigh.edu  
Subject: [84479] KNWD TS-50 and QRP  
Message-ID: <3A1A606F.B9AF7970@csi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just got a Kenwood TS-50 and no manual.

Is there a way to brint the power down to qrp levels?

Is there a cw filter in it? Or one available?

This is not my main qrp rig, but hopefully it will get some use portable/mobile.

Thanks for the help.

Brian

K5RV

QRP-L 324

--  
Brian Lewis  
Goodall and Brian Lewis Studio  
[www.brianlewis.com](http://www.brianlewis.com)  
[www.equine-images.com](http://www.equine-images.com)

-----  
Date: Tue, 21 Nov 2000 08:06:06 -0800  
From: "E. Roswell" <eroswell@monmouth.com>  
To: qrp-l@Lehigh.EDU  
Subject: [84480] Re: VE3DNL Marker/Generator  
Message-ID: <3A1A9D6E.D37217CD@monmouth.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I put mine in a Whitman's Sampler 4-chocolate tin (slightly deeper than an Altoid's). Enuf room for the PCB, an On/Off switch on side, a 9-volt

battery, and a terminal strip. Strip was made of 4 pin-jacks, mounted on bracket of 3 pieces of PCB material ( |\_| (inverted) )glued to bottom of tin. Accepts pin-plug with 6" - 8" of wire for radiator, which can be folded to store in tin.

Ed,  
K2MGM.

-----  
Date: Tue, 21 Nov 2000 06:12:48 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Steven Weber <kd1jv@moose.ncia.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [84481] Re: Be ready for DX this weekend  
Message-ID: <Pine.LNX.4.10.10011210612340.784-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

In NH your 5.

On Mon, 20 Nov 2000, Steven Weber wrote:

>  
> > This coming weekend is the CQWW CW DX contest. A very  
> > good time to hunt for DX. Be ready for them with QRP  
> > and QRPP.  
> >  
> Doesn't the CQWW contests use "zones" as part of the exchange? Never  
> could figure out my zone. Think it might be 5, but not sure. Maybe  
> someone in the know can post a list of the zones for those of us  
> without a clue?  
>  
> 72,  
> Steve, KD1JV in the white Mountains of New Hampshire  
> "melt solder"  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Tue, 21 Nov 2000 08:21:40 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [84482] Yaesu 1000MP question  
Message-ID: <200011210821\_MC2-BBA5-37DB@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Gang:

Can any Yaesu 1000MP owners answer a question? What is the factory setting for menu item 9-1? This is not listed in the documentation we have available, and we need to be sure. Can anyone help? Thanks in advance.

72/73,

--W.D. (Doc) Lindsey  
DSBF  
PO Box 6028  
Bismarck, ND 58506  
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)  
E-Mail =3D K0EVZ@arrl.net

-----  
Date: Tue, 21 Nov 2000 06:27:15 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Jerry McCollom W0MC <w0mc@hotmail.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84483] Re: Apologies: W0MC Cub Fox Failure...  
Message-ID: <Pine.LNX.4.10.10011210614410.784-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 21 Nov 2000, Jerry McCollom W0MC wrote:

> Hi Folks,  
>  
> Well, looks like my mobile fox attempt is/was a dismal failure. After an  
> hour and a half with only one very weak contact, I figure that my mobile  
> setup is just not getting out, so I came in to send out this e-mail.  
>  
> My station is top notch -- a K1 and an MP-1 mobile antenna -- and I even  
> tested it a few nights ago from Colorado with fine success. However,  
> perhaps because of either my position or because I did \*NOT\* bring an

> antenna analyzer, and instead relied upon my mark on the antenna and my  
> seeing max power out, I just do not seem to be getting out. Maybe the  
> rental car is not as good a ground plane as my car at home. Maybe I left  
> the mojo at home. For whatever reason, my fox round here seems to have been  
> in vain.

>

> After 25 minutes (on 7045) with only a single, very weak contact, I did a  
                    ^^^^^^

At least most Hounds were looking for the Cub Fox on 7140-50 KHz.  
You did put out that you were going to be on 7045 KHz so I looked there  
but didn't hear you.

That's a good assumption. I don't know anything about your mobile  
antenna but if the rig was doing all the right things it must have been  
the antenna tuning. The shape of the car effects the tuning of the antenna  
big time on a low frequency like 40 meters. The marked point on your own  
vehical might be dead wrong when mounted on the rental. You need to bring  
along at least a swr bridge. I seem to recall the K2 has one built in.  
Maybe not but it's necessary to have one on a transistor rig so they  
should bring it out. A field strength meter is good for mobile tuning and  
they are small.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Tue, 21 Nov 2000 06:53:23 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "E. Roswell" <eroswell@monmouth.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84484] Re: VE3DNL Marker/Generator  
Message-ID: <Pine.LNX.4.10.10011210651460.868-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Of course being old and on a diet you put the chocolate's into the  
garbage disposal. I will do that too.

On Tue, 21 Nov 2000, E. Roswell wrote:

> I put mine in a Whitman's Sampler 4-chocolate tin (slightly deeper than  
> an Altoid's). Enuf room for the PCB, an On/Off switch on side, a 9-volt  
> battery, and a terminal strip. Strip was made of 4 pin-jacks, mounted

> on bracket of 3 pieces of PCB material ( |\_| (inverted) )glued to  
> bottom of tin. Accepts pin-plug with 6" - 8" of wire for radiator,  
> which can be folded to store in tin.  
> Ed,  
> K2MGM.  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Tue, 21 Nov 2000 09:07:31 EST  
From: W1R0@aol.com  
To: qrp-1@lehigh.edu  
Subject: [84485] QRP 3 LANDERS VEGAS VISIT  
Message-ID: <43.cd751c5.274bdba3@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Will the 3 land QRPer that sent me email regarding his company visit to Vegas  
the first week in December please contact me directly?

Thanks

Jim

#2208

-----  
Date: Tue, 21 Nov 2000 06:12:06 -0800  
From: Phil Wheeler <w7ox@earthlink.net>  
To: bl@csi.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [84486] Re: KNWD TS-50 and QRP  
Message-ID: <3A1A82B6.A8D7D230@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"Brian L. Lewis" wrote:

>  
> Just got a Kenwood TS-50 and no manual.



>

You can download a manual in pdf format from Kenwood here:

<ftp://216.133.235.165/Amateur/Current%20Instruction%20Manuals/>

> Is there a way to brint the power down to qrp levels?

>

Likely there is. As I recall (no longer have one) the lowest normal power is 10 watts. But check the modifications are of <http://www.qrz.com> and see if there is something there.

> Is there a cw filter in it?

Not oreiginally .. but a used one might have one installed.

> Or one available?

>

Yes

Phil W70X

-----

Date: Tue, 21 Nov 2000 09:19:14 -0500

From: "Victor Blackwell" <[victor@brecnet.com](mailto:victor@brecnet.com)>

To: <[marsgal42@hotmail.com](mailto:marsgal42@hotmail.com)>, "Low Power Amateur Radio Discussion" <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>

Subject: [84487] Re: VERY Narrow CW filters

Message-ID: <[006701c053c6\\$07859980\\$3d5730d1@victor](mailto:006701c053c6$07859980$3d5730d1@victor)>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Laura,

Is there any chance you would know what kind of narrow filter system the K2 uses?

All I get from the owners is what time the UPS dropped off the rig and how long it took to put it together. I am being facetious.

Vic AD8K

-----  
Date: Tue, 21 Nov 2000 09:25:42 -0500  
From: Smith Harold <SmithH@tce.com>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [84488] more parts available  
Message-ID: <1577EC66B5B3D4119CA400508B60704B07CEE7@indyexch25.indy.tce.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

The Thomson Amateur Radio club has updated the list of parts available free (+P&H) through our Share the Wealth program. Details are at <http://www.w9rca.com/homebrew.html>.

72 de KE6TI

-----  
Date: Tue, 21 Nov 2000 07:32:59 -0700  
From: "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>  
To: "'QRP-1 Messages'" <qrp-1@lehigh.EDU>  
Subject: [84489] FOX CUB: Bummer, but I am smiling!  
Message-ID: <5899595F9867D311BC0A00805F57884D01FB5E3A@copland.tci.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Hi all,

Well, I too missed Jerry and his stint as Cub Fox. Thought it would be a lot easier to get him from CA than 70 miles north in Fort Collins, but it wasn't to be. While looking for the Fox, I found something as good if not better. Jack, KC6PJK was calling CQ about 7.142 about 7 or 8 WPM so not wanting to get skunked with out a QSO, I grabbed the SK off the shelf and Jack and I had a FB QSO for about 45 minutes. Jack is just getting back into CW after several years and said he is really enjoying it. I would have to say talking to Jack was just as rewarding as chasing da Fox, in any case Jack made my day.

Not only did I enjoy talking to Jack, but I also got some much needed practice with the SK in preparation for SK Night!  
It is coming soon you know.

Sometimes you find life's little treasures where you don't expect.

72 Ron ki0ii

-----  
Date: Tue, 21 Nov 2000 06:23:46 -0800  
From: Phil Wheeler <w7ox@earthlink.net>  
To: victor@brecnet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [84490] Re: VERY Narrow CW filters  
Message-ID: <3A1A8572.5CF222DA@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Victor Blackwell wrote:

>  
> Laura,  
>  
> Is there any chance you would know what kind of narrow filter system the K2  
> uses?  
>

Vic,

You can download a K2 manual, with circuit diagrams and parts lists,  
from

<http://www.elecrafter.com>

Phil W7OX

-----  
Date: Tue, 21 Nov 2000 10:15:37 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Subject: [84491] Yaesu Reflector?  
Message-ID: <200011211015\_MC2-BBA0-65E7@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
          charset=ISO-8859-1  
Content-Disposition: inline

Gang:

Anyone know of a reflector for Yaesu rigs? If not, do you know of a user=

s  
group or web page for them? Need answers to several questions. Thanks i=  
n  
advance for any help you might offer.

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail =3D K0EVZ@arrl.net

-----  
Date: Tue, 21 Nov 2000 08:39:42 -0700

From: "Dean M. Rachwitz" <dean@totaltourtech.com>

To: <qrp-l@lehigh.edu>

Subject: [84492] WTB: OHR WM-2 Wattmeter / QRP Tuner

Message-ID: <NDBBLLDHFKDPMK0JMKOEADCKAA.dean@totaltourtech.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Anyone want to part with their WM-2? I know - that's like asking you guys  
to part with one of your children ;-) But perhaps someone has an extra one  
laying around somewhere? Built or unbuilt is fine with me.

Also, I'd like to find a small QRP tuner (like a ZM-2) that I can take along  
with my K2 (until I can afford the internal one).

Hope everyone has a happy Thanksgiving!

73,

Dean Rachwitz

K7ADN

Mesa, AZ

QRP-L #2256 K2 #1272

-----  
Date: Tue, 21 Nov 2000 17:01:12

From: "Brad Hernlem" <alihernlem@hotmail.com>

To: qrp-l@lehigh.edu

Cc: Doug.Davies@gems3.gov.bc.ca  
Subject: [84493] Re: Tube Receivers  
Message-ID: <F256VQAiEGKR0ptzzpY00000d0e@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Davies, Doug A (Doug.Davies@gems3.gov.bc.ca) asks:

>Does anyone know of a source for schematics for one or two tube receivers  
>that use parts that are available today? I am trying to come up with a  
>group building project for our club. Most of the old schematics use parts  
>that are no longer available. I will need both the schematics and parts  
>lists. Thanks in advance for any help.

>Doug VA7DD  
>MailTo:Doug.Davies@gems3.gov.bc.ca

There are quite a lot of places to find such schematics but I am not sure about the "parts that are available today" bit. See for example:

<http://www.mines.uidaho.edu/~glowbugs/>

<http://www.qsl.net/n6ev/Glowbug.html>

<http://www.algonet.se/~janax/glowbug.htm>

<http://www.mindspring.com/~johnmb/na4g1.htm>

<http://www.geocities.com/CapeCanaveral/Hall/8701/hamfiles.htm>

<http://www.intio.or.jp/jf10z1/>

It seems to me that if you can get tubes (which are generally not "available today") then you can get the other parts too. The trouble with all this is that you either have to pay the high price for catalog ready availability (or compete on E-Bay or the like) or just scrounge parts as they come your way.

Many things can be improvised (e.g. coils or even variable caps) in the worst case. The Glowbugs list is an excellent resource for such knowledge.

Regards,

Brad

-----  
---  
Get more from the Web. FREE MSN Explorer download : <http://explorer.msn.com>

-----  
Date: Tue, 21 Nov 2000 13:08:18 -0400  
From: Dave Marling <dbm@klis.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [84494] PSK-31  
Message-ID: <3A1AAC02.C6EF5B69@klis.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I've just finished an interface using two transformers and an opto-coupler for my older Yaesu 707B and made my first contact on 80m last evening running 6-7 watts.

I found it interesting to note the effect the 2.7 KHz filter rolloff has on the power out. Received signals on the filter edges that I can copy (DigiPan 1.5) will produce no meter movement on the wattmeter on transmit. The first time it happened I thought the 707 had gone into retirement.

Dave  
VE1VQ

-----  
Date: Tue, 21 Nov 2000 17:24:17  
From: "laura halliday" <marsgal42@hotmail.com>  
To: victor@brecnet.com, qrp-l@Lehigh.EDU  
Subject: [84495] Re: VERY Narrow CW filters  
Message-ID: <F287y9CMDzPdSiIWeTl00000dc5@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

"Victor Blackwell" <victor@brecnet.com> asked:

>Is there any chance you would know what kind of narrow filter  
>system the K2 uses?  
>(snip)

A crystal ladder filter, according to the manual.

One thing that I've seen implemented in some commercial radios: if you cascade a bunch of bandpass filters all centred on the same frequency the net response will tend toward Gaussian, regardless of the individual

filter responses.

This is the Central Limit Theorem, as applied to filters...

Laura Halliday VE7LDH      "Que les nuages soient notre  
Grid: CN89mg                pied a terre..."  
                              - Hospital/Shafte

-----  
---  
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-----  
Date: Tue, 21 Nov 2000 10:31:15 -0700  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>, Bob Hightower  
<nk7m@extremezone.com>, Roger Hightower <n7kt@worldnet.att.net>,  
AE9K <AE9K@Yahoo.com>  
Subject: [84496] Contest: QRPDUPE New Version  
Message-ID: <3A1AB163.EAC07C4B@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue:

I just posted the latest version of QRPDUPE, the free contest logging  
software, at:

<http://www.dancris.com/~bkassel/index.htm#top>

The upcoming CW WW DX contest is now supported.

New Features:

The current score is now displayed whenever the Log QSO button  
is clicked. If a QSO is logged using just the ENTER key, the  
new score is not displayed. This gives the user a choice.

In the DX contests, after the prefix of the call sign is entered,  
the name of the matching country is displayed. In CQ contests, the  
CQ Zone is also displayed. Thanks to Brian, AE9K for the helping  
on this feature.

Please note that scoring is ONLY completely valid if you are a US or  
Canadian station.

Brian K7RE

-----  
Date: Tue, 21 Nov 2000 10:28:34 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-1@lehigh.edu  
Subject: [84497] Using QRP-Dupe to key  
Message-ID: <Pine.LNX.4.10.10011211019230.1126-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm finally getting the CW sending part of QRP-Dupe working. Of course no-one mentions you need to build a simple interface between pin 4 of your com port plug and the key lead from your radio.

I'm using the circuit shown for the pk-31 rig keyer in the help pages of Digipan any version. It's a pnp transistor, a diode and 1 resistor.

I will write to the author of QRP-Dupe and make him aware of this problem. So if your planning to use QRP-Dupe and the keying circuit you better get to Radio Shack and get a 2n2222 a 2.4k ohm resistor and a "signal" diode and a small box to put it in. Also get a plug with wire that will connect to your radio's cw plug.

This is worth the work. The cw keyer built into QRP-Dupe is really slick!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Tue, 21 Nov 2000 09:34:08 -0800  
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [84498] Tube Receivers  
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F430998008B@blaze.bccsc.GOV.BC.CA>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Thanks much for the replies to my search for the tube receiver schematics.



There have been some great suggestions. I do indeed understand the problems associated with obtaining some of the required parts. The main reason for doing the tube project is to be able to learn how a circuit works. I thought it would be easier to follow using point-to-point wiring and identifiable parts rather than using "complicated" solid state components.

There will only be about three or four people doing the project so we should be able to get all of the stuff we need. I hate to say it but the people I'm trying to reach with this project have all been licensed under the 'new' system that requires little or no practical theory knowledge. I finally got fed up and decided to do something about it when one of them asked where he could buy a dipole for 80 meters because he didn't know how to solder :-).

If there are any more suggestions, please pass them along.

Doug VA7DD  
MailTo:Doug.Davies@gems3.gov.bc.ca

-----  
Date: Tue, 21 Nov 2000 14:06:41 +0000  
From: Jack Bennett <J.Bennett@lboro.ac.uk>  
To: qrp-l@lehigh.edu  
Subject: [84499] HP2800  
Message-ID: <3.0.6.32.20001121140641.007c46f0@staff-mailin.lboro.ac.uk>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi,

Can someone point me to a URL or provide dimensions and data for a HP2800 device. The device is called up in a reflectometer design and I can't seem to find it in my normal list of suppliers in the UK. I suspect I may have to substitute it.

Many thanks & 72,

Jack  
G3PVG

-----  
Date: Tue, 21 Nov 2000 10:39:20 -0700  
From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [84500] Re: Help needed with LDG QRP Tuner  
Message-ID: <0E46nhrKtzcbLDiKBsu00000941@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

GOT IT!

Thanks one and all for you suggestions. The problem? Don't know!

I set the project aside for a few days and came back to it, this morning. In the mean time I heard back from LDG suggesting that pesky pick up transformer as a potential problem area. Not finding any misplaced components...etc., for the 5th time I tore it out and rewound it. This time I was extremely careful how I did things, paying extraordinary care on tinning the leads and soldering into the board. That seemed to do it. C1 nulls to zero and R23/24 adjust perfectly!

Moral of the story: after winding, tinning....hundreds of toroids for different projects I probably got a little complacent, and rushed a bit to much on this project.

BTW the tuner WORKS GREAT! It was able to tune my attic doublet on 40-10m in a matter of seconds! (my attic doublet is 52 ft long, flattop about 30 ft long, 20 ft up. The remainder drops down the roof supports on either end.)

If you are looking for a good QRP tuner check out the LDGs they're worth the money.

73, Rod N0RC  
Ft Collins CO

----- Original Message -----

From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, November 18, 2000 6:20 AM  
Subject: Help needed with LDG QRP Tuner

> Folks:

>

> I just completed building the LDG but can't get it to align properly.

>

> C1 null adjust of the REV

>

> SPEC                    My Unit

> < 0.2 Vdc            NLT 1 Vdc  
>  
> R23/24 adjust of FWD/REV  
>  
> SPEC                My Unit  
> 2.3-2.5 Vdc        NMT 0.5 Vdc

-----  
Date: Tue, 21 Nov 2000 12:46:28 -0500  
From: "Dave Markheim" <MarkheimD@metrocall.com>  
To: <qrp-1@Lehigh.EDU>, <k5di@zianet.com>  
Subject: [84501] Re: Using QRP-Dupe to key  
Message-ID: <sa1a6ed7.040@mc\_mail.metrocall.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline

Hi Karl,

I used a 2N4401 (NPN) with the base fed through a 1K resistor to Pin 4 =  
(DTR) of my computer's DB9 com port. Also attach the emitter to Pin 7 =  
(GND). The collector is then the "plus" side and the emitter is the =  
"minus" side to the keyer. The resistor and transistor can be built right =  
into the DB9 connector shell. Works FB! See you on the air.

Dave

W2QU=20

>>> "Karl F. Larsen" <k5di@zianet.com> 11/21/00 12:28PM >>>

I'm finally getting the CW sending part of QRP-Dupe working. Of  
course no-one mentions you need to build a simple interface between pin 4  
of your com port plug and the key lead from your radio.

I'm using the circuit shown for the pk-31 rig keyer in the help  
pages of Digipan any version. It's a pnp transistor, a diode and 1  
resistor.

I will write to the author of QRP-Dupe and make him aware of this  
problem. So if your planning to use QRP-Dupe and the keying circuit you  
better get to Radio Shack and get a 2n2222 a 2.4k ohm resistor and a  
"signal" diode and a small box to put it in. Also get a plug with wire  
that will connect to your radio's cw plug.

This is worth the work. The cw keyer built into QRP-Dupe is really  
slick!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Tue, 21 Nov 2000 17:45:13  
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>  
To: 70511.3041@compuserve.com, qrp-1@lehigh.edu  
Subject: [84502] Apology: W0MC Cub Fox Idiot  
Message-ID: <F257W234x0jIL2jpWkf00000e69@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi Folks,

Well, my CUB fox failure has been solved! I was on the wrong stinkin' frequency!!!

Yes, I've reviewed the rules numerous times, but for some reason, always saw the freq range as 7040-7050 in my head. Geesh. Now I'm really red in the face.

Actually, in some ways, its a relief -- at least I know that my mobile setup was not an absolute failure. And, it would have been impossible for me to be the CUB fox afterall since I brought my K1 and had built the K1 for 7000-7090.

So, who's up for a "rain date" make-up CUB hunt on Friday night? I haven't bounced this off the official FOX organizers, but I'm game... .what say? And I'll even be on the right frequency :-/

So, should I announce the brave hound who actually found me 100kHz out of range?? :-)

72,

Jerry  
W0MC

-----  
---  
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-----

Date: Tue, 21 Nov 2000 12:57:03 EST  
From: NB6M@aol.com  
To: KF4YYD@aol.com  
Cc: qrp-1@lehigh.edu  
Subject: [84503] Re: Design Question  
Message-ID: <50.d9f3b39.274c116f@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Tom,

Well, it looks to me like the reason you are getting .05 (actually .056661) is that their math in this case appears to be wrong.

However, the point of the exercise seems to be that although there are small differences in emitter and collector currents due to the beta of the transistor and the resultant small voltage drop through the parallel equivalent of the biasing resistors, as long as the current through the biasing resistors is large in comparison to the current through the parallel equivalent of the biasing resistors, the difference is quite small, and we can say that the collector current is approximately the same as the emitter current, and not worry about the difference.

Perhaps some of the guys with more of an engineering background can shed more light on this.

72

Wayne NB6M

-----  
Date: Tue, 21 Nov 2000 13:43:16 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [84504] CQ Zones  
Message-ID: <200011211818.NAA13080@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Thanks to everyone who confirmed I'm in zone "5".

Apparently a map of the zones can be found in several places, here's one:

<http://www.ac6v.com/paget.html>

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Tue, 21 Nov 2000 11:23:55 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Dave Markheim <MarkheimD@metrocall.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [84505] Re: Using QRP-Dupe to key  
Message-ID: <Pine.LNX.4.10.10011211122320.1203-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Great idea Dave!! I will try that. I don't think the -5 volts from my laptop will hurt anything.

On Tue, 21 Nov 2000, Dave Markheim wrote:

> Hi Karl,  
> I used a 2N4401 (NPN) with the base fed through a 1K resistor to Pin 4 (DTR) of my computer's DB9 com port. Also attach the emitter to Pin 7 (GND). The collector is then the "plus" side and the emitter is the "minus" side to the keyer. The resistor and transistor can be built right into the DB9 connector shell. Works FB! See you on the air.  
> Dave  
> W2QU  
>  
> >>> "Karl F. Larsen" <k5di@zianet.com> 11/21/00 12:28PM >>>  
>  
> I'm finally getting the CW sending part of QRP-Dupe working. Of course no-one mentions you need to build a simple interface between pin 4 of your com port plug and the key lead from your radio.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Tue, 21 Nov 2000 12:23:18 -0600  
From: "George, W5YR" <w5yr@att.net>

To: kd1jv@moose.ncia.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [84506] Re: CQ Zones  
Message-ID: <3A1ABD96.808863C3@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Usually, anything in the world - literally - that pertains to ham radio is on the AC6V webpages.

Steven Weber wrote:

> Apparently a map of the zones can be found in several places, here's  
> one:  
> <http://www.ac6v.com/paget.html>

72/73, George    W5YR - the Yellow Rose of Texas            NETXQRP 6

Fairview, TX    30 mi NE Dallas in Collin county            QRP-L 1373  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

-----  
Date: Tue, 21 Nov 2000 13:50:00 -0600  
From: Bcieslak@ra.rockwell.com  
To: qrp-1@Lehigh.EDU  
Subject: [84507] DXchecker  
Message-ID: <0F620C67E7.CFFFAC18-0N8625699E.006C7E35@ra.rockwell.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Your going to hear a lot strange calls on the air this week as those DXers spend Thanksgiving in exotic places preparing to operate in the CQWW contest. To find out who you just talked to use DXchecker. A downloadable program from the cheeseheads web page <http://www.qsl.net/nq9rp>

There is a windows executable file or a .txt file for those who want to develop a dos basic program around the search module.

Have fun ,  
Brian AE9K

-----  
Date: Tue, 21 Nov 2000 15:14:00 EST  
From: K2UD@aol.com  
To: qrp-1@lehigh.edu  
Subject: [84508] Re: SLV Question  
Message-ID: <ee.d5a8cb2.274c3188@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Go to:

<http://www.fix.net/~jparkar/w6mma.htm>

for the skinny on the SLV. There are 2 versions, the balanced ribbon vertical, and the W6MMA modified version with loading coil. I use Vern's version with an 80M loading coil on an SD-20 fishing pole, you can see that one on the link to Vern's modified SLV on the above site. Not a barn burner, but works well for its simplicity.

The SLV was also treated in the NorCal QRPp a few years ago, both versions.

GL es 72

Howard Kraus, K2UD

-----  
Date: Tue, 21 Nov 2000 14:47:59 -0600  
From: Bcieslak@ra.rockwell.com  
To: qrp-1@Lehigh.EDU  
Subject: [84509] Using QRP-Dupe to key  
Message-ID: <0F134FC872.56CD8151-ON8625699E.0071FA18@ra.rockwell.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

See the simple interface for keying with QRPDupe at

<http://www.qsl.net/nq9rp/computerhamming.html>

there is a link to the 'interface' schematic

K7re also has one on his page. It is a little more sophisticated giving you optical isolation between the rig and the computer..

Brian AE9K



-----  
Date: Tue, 21 Nov 2000 15:48:31 -0500  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [84510] cw program  
Message-ID: <20001121.154833.-258319.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

is there a better cw program than CwGet out on the web?  
I'm looking for one ... guess I'll hook up the key board to the qrp++ or  
k2

thanks joel in maine

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 21 Nov 2000 15:57:07 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [84511] Re: Matching Crystals For Filters  
Message-ID: <031001c053fd\$9c995660\$f8384d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well Ed, theoretically you should use a pierce crystal oscillator because it puts the crystal in the series mode that you will use in the crystal filter. The series and parallel resonance of a crystal can be 1 or 2 khz apart but because you probably are using crystals from the same batch they will likely have the same characteristics so it probably does not matter the oscillator type. I always use the series oscillator for this use (see QST H&K May 1978 P38). You should use the 3 matched crystals that end in 26 or 27 for the filter as they will be matched within 10 cycles (your figures) and (theoretically) times 10 for the filter bandwidth of 100hz minimum. I find it easier to use varactor diodes than to calculate capacitor values and besides you get a variable bandwidth filter (to me this is a great asset) that way (see QQ Jan 2000 P 29 for my 4 mhz filter). As for the RX BFO and TX CXR crystals it doesn't matter which ones you use as you will use a "rubbering circuit" to put these frequencies exactly where they need to be.

I will be glad to help you along the way.

Mike Branca W3IRZ in Conyers Georgia

-----  
Date: Tue, 21 Nov 2000 16:18:12 -0600  
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>  
To: qrp-1@lehigh.edu  
Subject: [84512] This Bull gave up early  
Message-ID: <LEDMIAHNNHEGBAAA@shared1-mail.whowhere.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Language: en  
Content-Transfer-Encoding: 7bit

All,

This "bull" gave up after only 7 hours in the Sweepstakes because my wife - who was pregnant - started feeling not too good and obviously needed priority. So if you didn't get to work me you know why now. I apologize for taking so long to send this e-mail and will make sure I get my entry to ARRL in time. I ended up making somewhere around 160 Q's and 45 or so sections if memory serves me correct.

Anyway, Grace Elizabeth Kluender was born yesterday, so no hamming in the near future!

Joel NF9K

---

Joel Kluender, NF9K  
870 Prairie Street S.  
Shakopee, MN 55379

Great is the Lord, and worthy of praise!

Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at <http://www.eudoramail.com>

-----  
Date: Tue, 21 Nov 2000 17:08:52 -0600 (CST)  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [84513] Ham Radio Study guides for Kids

Message-ID: <Pine.OSF.4.20.0011211706040.12819-1000000@duke.usask.ca>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

I have started to adapt "The canadian Amateur Study Guide for the Basic Qualification" to make it more appealing to a younger audience. It still very much a work in progress.

For the morbidly curious the url is at:

<http://duke.usask.ca/~buydens/ham/basic/index.html>

One thing I did learn so far is how to get the LOGO computer language to create animated GIFs. This saves me from actually having to draw something...

Brian.

Brian Buydens  
Veterinary Electronic Data Specialist  
Computing Services, University of Saskatchewan  
email: [Brian.Buydens@usask.ca](mailto:Brian.Buydens@usask.ca)  
<http://duke.usask.ca/~buydens>  
VE5RDV

-----  
Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

-----  
End of QRP-L Digest 2013  
\*\*\*\*\*  
-----